

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001653

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: F16L 3/04, 3/22, 3/23, H02G 3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT: (F16L 3/IC or E21F 17/IC or H02G 3/32) and (channel+ or c-shape+ or u-shape+ or n-shape+ or leg+ or arm+)and (retain+ or fasten+ or hold+) and (+connect+ or join+ or break+)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 29920365 U1 (GABO SYSTEMTECHNIK GmbH) 21 June 2000 See whole document (& Derwent Abstract Accession No.2000-432813/38, Class Q67, X12)	1-16
A	US 3894706 A (MIZUSAWA) 15 July 1975 See whole document	1-16
A	US 2001/0028823 A1 (TAKEDA) 11 October 2001 See whole document	1-16
A	EP 379722 A (TRW UNITED-CARR GmbH & CO. KG) 01 August 1990 See whole document	1-16



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
6 December 2004Date of mailing of the international search report
17 DEC 2004

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

BARRY STEPHENS
Telephone No : (02) 6283 2106

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001653

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member		
DE	29920365	NONE			
US	3894706	CA 982103	DE	2306969	FR 2182496
		IT 984073	JP	51041226	SE 388470
		US 3894706			
EP	0379722	DE 3902498	EP	0379722	ES 2031680
		US 5002243			
US	2001028823	JP 2001289357			

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX